

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A fuel reforming system comprising a fuel reformer for generating a reformed gas containing hydrogen by using a gas containing vapors of a gas fuel or a liquid fuel and a gas containing oxygen, a mixer of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen, a supplier of vapors of the gas fuel or the liquid fuel into said fuel reformer through the mixer, a supplier of the gas containing the oxygen into said fuel reformer through the mixer, and a controller of a first flow rate of the vapors of the gas fuel or the liquid fuel supplied into said fuel reformer and of a second flow rate of the gas containing the oxygen supplied into said fuel reformer, further comprising:

a detector of the first flow rate of the vapors **adapted to obtain a detected first flow rate;**

a detector of the second flow rate of the gas **adapted to obtain a detected second flow rate;** and

a temperature detector of at least one of the vapors of the gas fuel or the liquid fuel supplied into said fuel reformer, the gas containing the oxygen supplied into said fuel reformer, and a mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen, **and**

a controller configured to correct wherein a ratio of the first flow rate of the vapors to the second flow rate of the gas is corrected depending on the output of said temperature detector, thereby obtaining a corrected ratio, determine the second flow rate to be supplied to the supplier of the gas containing the oxygen according to the detected first flow rate and the corrected ratio, and adjust a flow rate of and the gas containing the oxygen into said fuel reformer by controlling the supplier of the gas containing the oxygen according to the determined second flow rate is supplied depending on the corrected ratio.

2. (Currently Amended) The fuel reforming system of claim 1, wherein the flow rate of the gas fuel, the flow rate of the vapor of the liquid fuel, or the flow rate of the liquid fuel is corrected and supplied depending on the corrected ~~correction value of the~~ ratio of the flow rate of the vapor of the gas fuel or the liquid fuel to the flow rate of the gas containing the oxygen.

3. (Currently Amended) A fuel reforming method of a fuel reforming system, said fuel reforming system having a fuel reformer for generating a reformed gas containing hydrogen by using a gas containing vapors of a gas fuel or a liquid fuel and a gas containing oxygen, a mixer of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen, a first supplier of the vapors of the gas fuel or the liquid fuel into said fuel reformer through the mixer, and a second supplier of the gas containing the oxygen into said fuel reformer through the mixer, comprising:

supplying the liquid fuel into the first supplier;

detecting a temperature of the vapor of the gas fuel or the liquid fuel supplied into said fuel reformer;

determining a first correction coefficient of a ratio of a first flow rate of the vapors of the gas fuel to a second flow rate of the gas containing the oxygen according to the detected temperature;

detecting the first flow rate of the vapors;

determining the second flow rate to be supplied to the second supplier according to the detected first flow rate and the determined first correction coefficient; and

adjusting a flow rate of the gas containing the oxygen into said fuel reformer by controlling the second supplier according to the determined second flow rate.

4. (Previously Presented) A fuel reforming method of a fuel reforming system of claim 3, further comprising:

prior to supplying the liquid fuel, determining a required flow rate of the liquid fuel to be supplied to the first supplier of vapors according to a memorized fuel flow rate correction coefficient; and

after adjusting the flow rate of the gas, determining the fuel flow rate correction coefficient according to the determined first correction coefficient.

5. (Previously Presented) The system of claim 1, wherein the supplier of gas containing oxygen includes a device adapted to obtain atmospheric air, the gas containing oxygen being at least in part obtained from the atmospheric air.

6. (Previously Presented) The system of claim 1, wherein the supplier of gas containing oxygen includes a compressor adapted to obtain atmospheric air, the gas containing oxygen being at least in part obtained from compressed atmospheric air obtained by the compressor.

7. (Previously Presented) The method of claim 3, further comprising the action of obtaining atmospheric air and utilizing the atmospheric air for at least part of the gas containing oxygen.

8. (Previously Presented) The system of claim 1, wherein the temperature detector detects the temperature of the vapors of the gas fuel or the liquid fuel, and wherein the output of the temperature detector is indicative of the temperature of the vapors of the gas fuel or the liquid fuel.

9. (Previously Presented) The system of claim 1, wherein the temperature detector detects the temperature of the gas containing the oxygen, and wherein the output of the temperature detector is indicative of the temperature of the gas containing oxygen.

10. (Previously Presented) The system of claim 1, further comprising a reforming reactor, wherein the mixer supplies the mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen to the reforming reactor.

11. (Previously Presented) The system of claim 1, further comprising a reforming reactor, wherein the mixer supplies the mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen to the reforming reactor, the mixture of gas and vapor supplied to the reforming reactor being non-combusted and non-converted.

12. (Previously Presented) The method of claim 3, further comprising supplying the mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen to a reforming reactor.

13. (Previously Presented) The method of claim 3, further comprising supplying the mixture of vapors of the gas fuel or the liquid fuel and the gas containing the oxygen, the mixture of gas and vapor supplied to a reforming reactor, the mixture being supplied in a non-combusted and non-converted state.